1	2
पंजाब रा.बि. बोर्ड	58.3
उत्तर प्रदेश रा.बि. बोर्ड	50.5
गुजरात बिजली बोर्ड	61.6
महाराष्ट्र रा.बि. बोर्ड	59.7
मध्य प्रदेश राज्य बिजली बोर्ड	52.5
आंध्र प्रदेश रा.बि. बोर्ड	65.0
तमिलनाडु बिजली बोर्ड	65.2
कर्नाटक बिजली बोर्ड	49.4
बिहार रा.बि. बोर्ड	25.2
उड़ीसा रा.बि. बोर्ड	34.5
प. बंगाल रा.बि. बोर्ड	31.1
प. बंगाल विद्युत विकास निगम	58.1
डी.पी.एल.	28.7
असम रा.बि. बोर्ड	24.3
जोड़ राज्य बिजली बोर्ड	54.1
भारत	57.1

1008. [Transferred to the 5th August, 1993]

Break-down of Power Supply in Trans-Jamuna Area

1009. SHRI GAYA SINGH: Will the Minister of POWER be pleased to state:

(a) whether there is continuous breakdown of power-supply in Laxmi Nagar, Shakarpur area (Trans-Jamuna) Delhi-92, since June 15, 1993;

(b) whether in some cases people have expressed their anger in desperation by demonstration etc.;

(c) is so, the details thereof;

(d) whether DESU authorities are keeping silent and not attending the complaints in these areas; and

(e) what are the reasons for power failure in the area and what steps are being taken to restore the power supply fully and prevent frequent disruption in power supply?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI P. V. RANGAYYA NAIDU): (a) to (e) There have been some interruptions in power supply in Laxmi Nagar, Shakarpur (Trans Yamuna) during June-July, 1993. Some residents of the area are reported to have demonstrated at DESU offices to protest against power disruptions. Power breakdowns in this area occur mainly due to overloading of the system since a large number of commercial/industrial units have come up in the residential area. Every efforts is made by DESU to attend to the breakdown and to restore the power supply at the earliest. DESU is also taking steps within the available resources to augment and strengthen the power supply system in the area to minimise the disruptions.

Loan for NTPC power project

1010. SHRI RAMDAS AGARWAL: Will the Minister of POWER be pleased to state:

(a) whether Government's attention has been drawn to a newsitem which appeared in the Hindustan Times of 16th July, 1993 captioned "Funds for matching huge foreign loan stump NTPC";

(b) if so, the details thereof indicating the amount of loan in billion dollars in respect of each power project against which matching fund in required by N.T.P.C.;

(c) whether it is a fact that in the absence of required matching fund, Government propose to throw open the doors to higher private sector for participation in India's power section;

(d) if so, which are the projects likely to be under private sector and those under the public sector separately and the total amount required by the Ministry of Power during 1993-97 in this regard indicating the manner in which such projects are proposed to be funded/implemented?

THE MINISTER OF STATE IN THE MINISTRY POWER (SHRI P. V. RANGAYYA NAIDU): (a) Yes, Sir.

(b) The World Bank has recently approved a loan of US $400 million to the National Thermal Power Corporation

(NTPC) as the 1st tranche of a series of three loans to be extended by the Bank amounting to US $1.2 billion. Vindhyachal Super Thermal Power Project Stage II (2x500 MW) and Rihand Super Thermal Power Project Stage II (2x500 MW) have been identified as the priority projects for funding under this loan. The major portion of the estimated 8th Plan expenditure on these projects is expected to be covered by the 1st tranche of the World Bank loan and the balance is envisaged to be covered by the NTPC's internal resources and by borrowings.

OECF Japan have completed appraisal of NTPC's Faridabad Gas Power Project (400 MW) and the 1st tranche of loan of JY 23.5 billion approximately is expected to be signed during 1993-94. Subsequent loan tranches are expected to be announced matching the project implementation. As per their guidelines, OECF assistance would cover eligible costs upto 85 per cent of the project cost and the balance cost is envisaged to be met from internal resources, etc.

(c) The Government with the objective of bringing in an additionality of resources have introduced a scheme to attract private investment in the power sector and the Indian Electricity Act, 1910 and the Electricity (Supply) Act, 1948 were amended for this purpose in October, 1991.

(d) The 8th Plan outlay for power sector is Rs. 79,589.32 crores. The names of the 8th Plan projects including those projects under implementation/under process of implementation in the private sector are given in the statement.

Statement

List of Projects Yielding Benefits in Eighth Plan (1992-97)

Sl. No.	Name of the Project (Capacity in MW)	Type of the project	Name of the State	Benefits during 1992---97
	CENTRAL SECTOR			
	A. *Approved/Ongoing*			
I.	*Thermal Stations :*			
1.	NCTPP Dadri (4×210) U2-4	TH—COAL	NTPC/UP	630.0
2.	GT Dadri (4×131.3+2×146)	TH—GAS	NTPC/UP	555.0
*3.	Barsingsar lignite (2×210)	TH—LIG	NLC/RAJ	240.0
4.	Kawas CCGT (4×106+2×110)	TH—GAS	NTPC/GUJ	538.0
5.	Neyveli-II Extn. (4×210)U3&4	TH—LIG	NLC/TN	420.0
*6.	Neyvel Zero unit (1×210)	TH—LIG	NLC/TN	210.0
7.	Bokaro 'B' (2×210)	TH—COAL	DVC/BIH	210.0
8.	Mejia (3×210)	TH—COAL	DVC/WB	638.0
9.	Kahalgaon (4×210)	TH—COAL	NTPC/BIH	630.0
**10.	Talcher (2×500)	TH—COAL	NTPC/CRS	1000.0
11.	Farrakka II (2×500)	TH—COAL	NTPC/WB	1000.0
12.	Kathalguri GT (6×30+3×30)	TH—GAS	NEEPCO/ASM	270.0
	TOTAL OF THERMAL STATIONS:			6333.0

Sl. No.	Name of the Project (capacity in MW)	Type of the project	Name of the State	Benefits during 1992—97
II.	**Nuclear Stations:**			
13.	Kakrapar (2×220)	NUCLEAR	NPC/GUJ	440.0
14.	RAPP EXT. (2×220) U-1	NUCLEAR	NPC/RAJ	220.0
15.	Kaiga (2×220)	NUCLEAR	NPC/KAR	440.0
	TOTAL OF NUCLEAR STATIONS :			1100.0
III.	**Hydro Stations:**			
16.	Chamera I (3×180)	HYDEL	NHPC/HP	540.0
17.	Dulhasti (3×130)	HYDEL	NHPC/J&K	390.0
18.	Salal-II (3×115)	HYDEL	NHPC/J&K	345.0
19.	Tehri ST. I (4×250)	HYDEL	THDC/UP	1000.0
20.	Uri (4×120)	HYDEL	NHPC/J&K	480.0
21.	Rangit (3×20)	HYDEL	NHPC/SIK	60.0
22.	Doyang (3×25)	HYDEL	NEC/NAG	75.0
23.	Ranganadi (3×135) U 1&2	HYDEL	NEC/ARUN	270.0
	TOTAL OF HYDRO STATIONS :			3160.0
	TOTAL APPROVED/ONGOING			10539.0
	STATE SECTOR			
A.	*Approved/Ongoing*			
	Northern Region :			
1.	Dadupur (4×1.5)	HYDEL	HAR	6.0
2.	Thirot (3×1.5)	HYDEL	H.P.	4.5
3.	Baner (3×4)	HYDEL	H.P.	12.0
4.	Gaj (3×3.5)	HYDEL	H.P.	10.5
5.	Kargil (3×1.25)	HYDEL	J&K	3.8
6.	Upper Sindh (2×35)	HYDEL	J&K	70.0
7.	Upper Sindh II U-3 (1×35)	HYDEL	J&K	35.0
8.	Pahalgham (2×1.5)	HYDEL	J&K	3.0
9.	Thien Dam (4×150)	HYDEL	PUN	300.0
10.	Sobla (2×3)	HYDEL	U.P.	6.0
11.	Maneri II (4×76)	HYDEL	U.P.	304.0
12.	Srinagar (6×55)U 1-3	HYDEL	U.P.	165.0
13.	Rajghat (3×15)—50% share	HYDEL	U.P.	22.5

Sl. No.	Name of the Project (capacity in MW)	Type of the Project	Name of the State	Benefits during 1992—97
	SUB TOTAL-HYDRO			942.3
14.	Pampore GT II (4×25)	TH—GAS	J&K	100.0
15.	Ramgarh G.T. (1×3)	TH—GAS	RAJ	3.0
16.	Kota U 5 (1×210)	TH—COAL	RAJ	210.0
17.	Anpara "B" (2×500)	TH—COAL	U.P.	1000.0
18.	Tanda U-4 (1×110)	TH—COAL	U.P.	110.0
19.	Panipat U-6 (1×210)	TH—COAL	HAR	210.0
20.	Ropar III (2×210) U-2	TH—COAL	PUN	210.0
21.	DESU WH (3×34)	TH—GAS	DEL	102.0
	SUB TOTAL THERMAL			1945.0
	TOTAL NORTHERN REGION			2887.3
	Western Region :			
1.	Kadana U-3&4 (2×60)	HYDEL	GUJ	120.0
2.	Manikdoh (1×6)	HYDEL	MAH	6.0
3.	Ujjani (1×12)	HYDEL	MAH	12.0
4.	Warna (2×8)	HYDEL	MAH	16.0
5.	Surya (1×6)	HYDEL	MAH	6.0
6.	Bhandardara II (1×34)	HYDEL	MAH	34.0
7.	Dudhganga (2×12)	HYDEL	MAH	24.0
8.	Dimbhe (1×5)	HYDEL	MAH	6.0
*9.	Bihra PSS (1×150)	HYDEL	MAH	150.0
10.	Koyna St. IV (4×250) U 1-2	HYDEL	MAH	500.0
*11.	Tawa LBC (4×3)	HYDEL	M.P.	12.0
12.	Hasdec Bango (3×40)	HYDEL	M.P.	120.0
13.	Bans agar (Tons) (2×15+3×20)	HYDEL	M.P.	90.0
14.	Rajghat (3x15)—50% share	HYDEL	M.P.	22.5
	×200+5x50)	HYDEL	JOINT SECTOR	1450.0
				2567

Sl. No.	Name of the project (capacity in MW)	Type of the project	Name of the State	Benefits during 1992—97
16.	Kutch Lignite U3 (1×70)	TH—LIG	GUJ	70.0
17.	Sikka U-2(1×120)	TH—COAL	GUJ	120.0
18.	Utran Gas Based TPS (1×33+1×45)	TH—GAS	GUJ	78.0
19.	Chanderpur U-7 (1×500)	TH—COAL	MAH	500.0
20.	Uran WHP(3×120)	TH—GAS	MAH	360.0
*21.	Khaperkhe Ext. (2×210)	TH—COAL	MAH	420.0
*22.	Trombay CCGT (3×60)	TH—GAS	MAH	180.0
23.	Sajay Gandhi U 1x2 (2×210)	TH—COAL	M.P.	420.0
24.	Sanjay Gandhi U 3&4 (2×210)	TH—COAL	M.P.	420.0
*25.	Pench (2×210)	TH—COAL	M.P.	420.0
	SUB TOTAL THERMAL			2988.0
	TOTAL WESTERN REGION:			5555.5
	Southern Region:			
1.	Penna Ahobilam (2×10)	HYDEL	A.P.	20.0
2.	Upper Sileru (2×60)	HYDEL	A.P.	120.0
3.	Guntur Canal (2×2+2×2.3)	HYDEL	A.P.	8.6
4.	Srisailam LBPH (6×150) U 1-2	HYDEL	A.P.	300.0
5.	Varahi (Mani Dam) (2×4.5)	HYDEL	KAR	9.0
6.	Ghatprabha (2×16)	HYDEL	KAR	16.0
7.	Mallarpur (2×4.5)	HYDEL	KAR	9.0
8.	Sharavati Tailrace (4×60)	HYDEL	KAR	240.0
9.	Kalindadi-II (3x40+3×50)	HYDEL	KAR	270.0
10.	Brindawan (2×6)	HYDEL	KAR	12.0
11.	Bhadra (1×6)	HYDEL	KAR	6.0
12.	Shivpuri (2×9)	HYDEL	KAR	18.0
13.	Kallada (2×7.5)	HYDEL	KER	15.0
14.	Muvattupuzha (1×7)	HYDEL	KER	7.0
15.	Lower Periyar (3×60)	HYDEL	KER	180.0
16.	Kakkad (2×25)	HYDEL	KER	50.0
17.	Peppara (3×1)	HYDEL	KER	3.0
18.	Poringalkuthu U-4 (1×16)	HYDEL	KER	16.0
19.	Lower Bhawani RBC (2×4)	HYDEL	T.N.	8.0
20.	Sathnur Dam (1×7.5)	HYDEL	T.N.	7.5
	SUB-TOTAL SOUTHERN REGION :			1315.1

Sl. No.	Name of the project (capacity in MW)	Type of the project	Name of the State	Benefits during 1992—97
21.	Muddanur (2x210)	TH—COAL	A.P.	420.0
22.	Vijayawada-III (2x210)	TH—COAL	A.P.	420.0
23.	Raichur U-4 (1x210)	TH—COAL	KAR	210.0
24.	Diesel Sets (78)	TH—COAL	KAR	78.0
*25.	D.G. Sets Bangalore (6x21.3)	TH—OIL	KAR	128.0
26.	North Madras (3x210)	TH—COAL	T.N.	630.0
27.	Basin Bridge G.T. (4x30)	TH—GAS	T.N.	120.0
28.	Karaikal GT (3x5+1x7.5)	TH—GAS	PND	22.5
	SUB TOTAL-THERMAL :			2028.5
	TOTAL SOUTHERN REGION :			3343.6
	Eastern Region :			
1.	Eastern Gandak Canal (3x5)	HYDEL	BIH	15.0
2.	Sone WLC (4.1,65)	HYDEL	BIH	6.6
3.	Sone ELC (2x1.65)	HYDEL	BIH	3.3
4.	North Koel (2x12)	HYDEL	BIH	24.0
5.	Chandil (2x4)	HYDEL	BIH	8.0
6.	Rengali Extn. U—5 (3x50)	HYDEL	ORS	50.0
7.	Upper Indirawati (4x150)	HYDEL	ORS	600.0
8.	Upper Kolab U—4 (1x80)	HYDEL	ORS	80.0
9.	Potteru (2x3)	HYDEL	ORS	6.0
10.	Mayangchu (4x1)	HYDEL	SIK	4.0
11.	Upper Ronginchu (4x2)	HYDEL	SIK	8.0
12.	Rammam St. II (4x12.5)	HYDEL	W.B.	50.0
13.	Teesta Canal (3x3x7.5)	HYDEL	W.B.	57.5
	SUB TOTAL-HYDRO :			922.4
14.	Tenughat U-1 & 2 (2x210)	TH—COAL	BIH	420.0
***15.	Ib. TPS (4x210)	TH—COAL	ORS	840.0
16.	Kolaghat Unit-4 & 6 (2x210).	TH—COAL	W.B.	420.0
	SUB TOTAL-THERMAL :			1680.0
	TOTAL EASTERN REGION :			2602.4

Sl. No.	Name of the project (capacity in MW)	Type of the project	Name of the State	Benefits during 1992—97
	North Eastern Region :			
1.	Dhansiri (15x1.33)	HYDEL	ASM	20.0
*2.	Karbi Langpi (2x50)	HYDEL	ASM	100.0
3.	Dailamna (4)	HYDEL	ASM	6.0
4.	Small Hydels (4.30)	HYDEL	ARP	4.3
5.	Nuranang (3x2)	HYDEL	ARP	6.0
6.	Umaim-Umtru (2x30)	HYDEL	MEG	60.0
7.	Small Hydels (3.6)	HYDEL	MIZ	3.6
8.	Likimro (3x8)	HYDEL	NAG	24.0
	SUB TOTAL-HYDRO :			223.9
9.	Lakwa GT Phase II (3x20)	TH—GAS	ASM	60.0
10.	Amguri CCGT (12x30)	TH—GAS	ASM	360.0
	SUB TOTAL-THERMAL :			420.0
	TOTAL NORTH EASTERN REGION :			643.9
	TOTAL (STATES) :	ONGOING/APPROVED		15032.7
	TOTAL (STATES+CENTRAL):	(ONGOING/APPROVED)		25625.7
	CENTRAL SECTOR :			
	B. *PIB/CEA Cleared Projects :*			
	1. **Thermal Stations :**			
*1.	Yamuna Nagar (4x210) U-1	TH—COAL	NTPC/HAR	210.0
2.	Faridabad CCGT (800)	TH—GAS	NTPC/HAR	546.0
3.	Gandhar CCGT (615)	TH—GAS	NTPC/GUJ	615.0
4.	Rihand Ext. (2x500) U-1	TH—COAL	NTPC/UP	500.0
5.	Unchahar Ext. (2x210) U-1	TH—COAL	NTPC/UP	210.0
6.	Agartala G.T. (4x21)	TH—GAS	NEC/TRI	84.0
	TOTAL OF THERMAL STATIONS :			2165.0
	II. **Hydro Stations :**			
7.	Koplli Ext.	HYDEL	NEEPCO/ASM	10.00
	TOTAL CENTRAL-SECTOR :			2265.0
	STATE SECTOR :			
	Northern Region :			
1.	WYC ST. II (2x8)	HYDEL	HAR	16.0

Sl. No.	Name of the project (capacity in MW)	Type of the project	Name of the State	Benefits during 1992—97
	SUB TOTAL HYDRO :			16.0
2.	Bawana CCGT (800) . . .	TH—GAS	DEL	660.0
3.	Bhatinda (2x210)	TH—COAL	PUN	420.0
	SUB TOTAL THERMAL :			1080 0
	TOTAL OF NORTHERN REGION :			1096.0
	Western Region :			
4.	Bansagar Tons-IV (2x10) . . .	HYDEL	M.P.	20.0
	SUB TOTAL HYDRO :			20.0
*5.	BSES (2x250)	TH—COAL	MAH	500.0
	SUB TOTAL THERMAL :			500.0
	TOTAL OF WESTERN REGION :			520.0
	Southern Region :			
6.	Singur (2x7.5)	HYDEL	A.P.	15.0
	SUB TOTAL HYDRO :			15.0
	TOTAL OF SOUTHERN REGION :			15.0
	Eastern Region :			
*7.	Budge-Budge (2x250) . . .	TH—COAL	WB	500.0
*8.	Chandil (2x500)	TH—COAL	BIH	500.0
	SUB TOTAL THERMAL :			1000.0
	TOTAL OF EASETRN REGION :			1000.0
	North Eastern Region :			
9.	Rokhia G.T. Ext. (2x8) . . .	TH—GAS	TRI	16.0
	SUB TOTAL THERMAL :			16.0
	TOTAL OF NORTH EASTERN REGION :			16.0
	TOTAL STATE SECTROR :			2647.0
	TOTAL GENERATION PROJECTS (STATE-SECTOR)			17679.7
	TOTAL GENERATION PROJECTS (CENTRAL-SECTOR)			12858.0
	TOTAL GENERATION PROJECTS (ALL-INDIA.)			30537.7

*Private sector projects under implementation/under process for implementation.

**Private sector proposal is for 500 MW capacity.

***Private sector proposal is for 420 MW capacity.